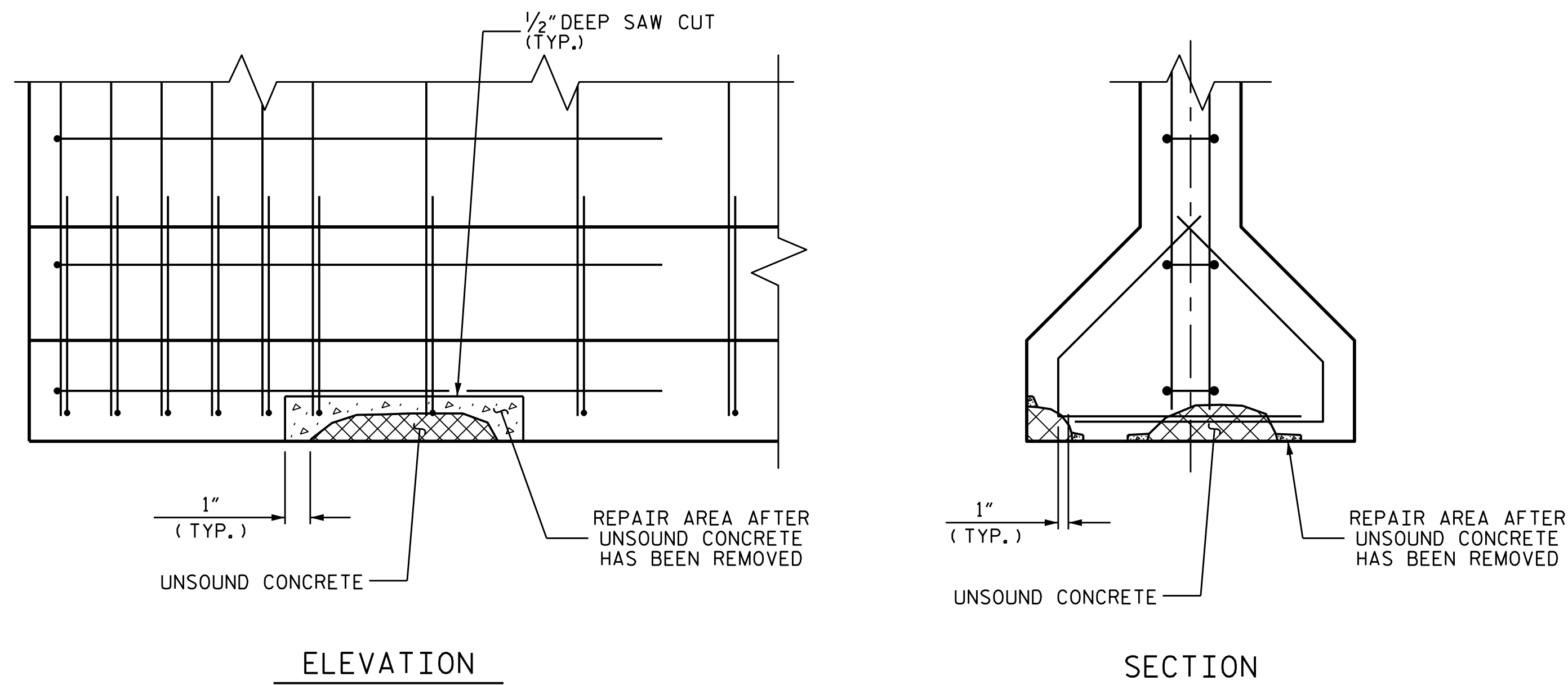


### GIRDER WEB REPAIR



### GIRDER FLANGE REPAIR

#### NOTES

FOR REPAIRS TO PRESTRESSED CONCRETE GIRDERS, SEE SPECIAL PROVISIONS.

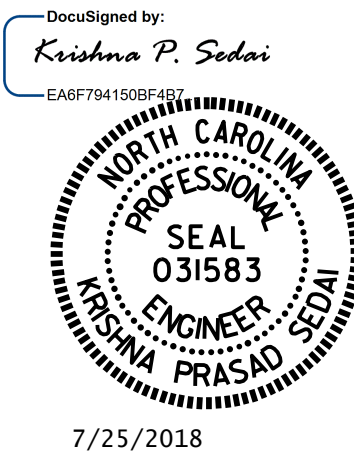
ALL UNSOUND CONCRETE MUST BE REMOVED, HOWEVER, PRESTRESSED STRANDS SHOULD NOT BE DISTURBED UNLESS ABSOLUTELY NECESSARY. THE CONTRACTOR SHALL USE EXTREME CARE TO NOT DAMAGE STRANDS.

| GIRDER REPAIR QUANTITIES                |              |                |              |                |
|---|--------------|----------------|--------------|----------------|
| REPAIRS TO PRESTRESSED CONCRETE GIRDERS | QUANTITIES   |                |              |                |
|   | ESTIMATE     |                | ACTUAL       |                |
|   | AREA SQ. FT. | VOLUME CU. FT. | AREA SQ. FT. | VOLUME CU. FT. |
| SPAN A                                  | 19.4         | 6.5            |              |                |
| SPAN B                                  | 2.6          | 0.9            |              |                |
| SPAN C                                  | 0.9          | 0.3            |              |                |
| SPAN D                                  | 11.2         | 3.7            |              |                |
| SPAN E                                  | 0.4          | 0.1            |              |                |
| SPAN F                                  | 5.9          | 2.0            |              |                |
| SPAN G                                  | 11.7         | 3.9            |              |                |
| SPAN H                                  | 6.8          | 2.3            |              |                |
| SPAN I                                  | 4.0          | 1.3            |              |                |
| SPAN J                                  | 3.8          | 1.3            |              |                |
| TOTAL                                   | 66.7         | 22.3           |              |                |

| EPOXY RESIN INJECTION | QUANTITIES |          |
|-----------------------|------------|----------|
|                       | ESTIMATE   | ACTUAL   |
|                       | LIN. FT.   | LIN. FT. |
| SPAN A                | 0.0        |          |
| SPAN B                | 1.0        |          |
| SPAN C                | 3.0        |          |
| SPAN D                | 0.0        |          |
| SPAN E                | 0.0        |          |
| SPAN F                | 3.0        |          |
| SPAN G                | 0.0        |          |
| SPAN H                | 0.0        |          |
| SPAN I                | 0.0        |          |
| SPAN J                | 0.0        |          |
| TOTAL                 | 7.0        |          |

VALUES IN CHART REPRESENT ESTIMATED REPAIR TOTALS AFTER REMOVAL OF UNSOUND CONCRETE, MIN. OF 1" BEHIND REBAR AND MIN. 2" CLEARANCE TO SAWCUT. FOR GIRDER REPAIR AREAS, SEE "PRESTRESSED GIRDER REPAIR LOCATIONS" SHEETS.

PROJECT NO. 15BPR.18  
DAVIE COUNTY  
BRIDGE NO. 63



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
PRESTRESSED GIRDER  
REPAIR DETAILS  
AND SUMMARY

DRAWN BY : H.A. LOCKLEAR DATE : 5/18  
CHECKED BY : M.G. SHAIKH DATE : 5/18

DOCUMENT NOT CONSIDERED  
FINAL UNLESS ALL  
SIGNATURES COMPLETED

| REVISIONS |     |       |     |     |       | SHEET NO.    |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO.       | BY: | DATE: | NO. | BY: | DATE: | S-19         |
| 1         |     |       | 3   |     |       | TOTAL SHEETS |
| 2         |     |       | 4   |     |       | 38           |